

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-20 10:15:21

Date of Next Testing: 2024-09-09 10:15:21

Product Name: **Erythromycin**

CAS Number: 114-07-8

Specifications & Purity: Moligand™, potency: ≥850 µg per mg

Lot #: I2214065

SKU #: **E105345**

Version: **0**

Analysis #: **109540**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=2 in EtOH)(calcd.on anh.substance)	-78--71 (°)	-74.00200 °
Carbon by Elemental Analysis(anhydrous)	59.2-61.8 (%)	59.31000 %
Nitrogen by Elemental Analysis (anhydrous)	1.6-2.2 (%)	1.73000 %
Water by Karl Fischer	0-10 (%)	8.30000 %
Purity(Nonaqueous Titration)(calcd.onanh.substance)	98-100 (%)	98.56000 %
potency (dry basis)	≥850 (µg/mg)	942.00000 µg/mg
Appearance (E105345)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless to Yellow,Clear to Slightly Hazy,50mg/ml	pass	Pass



John Su
QA & QC Manager